Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/13/2021 08:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123970	-1	1.18	123895	1.19
Blue	F	SSC	125000	124119	-1	2.54	124447	2.42
Blue	E	FITC	13131	12696	-4	2.18	291	15.19
Blue	D	PE	24112	23867	-2	1.56	548	10.40
Blue	B	PerCP-Cy5-5	31295	30485	-3	2.92	1008	14.03
Blue	A	PE-Cy7	19939	19857	-1	5.04	531	28.22
Red	C	APC	42122	41612	-2	3.04	1745	11.13
Red	A	APC-Cy7	22340	21613	-4	3.47	810	11.65
Violet	B	V450	7410	7164	-4	3.58	437	12.47
Violet	A	V500	28118	27121	-4	3.20	676	9.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22768	1.19	561	-8	N/A	N/A	Pass
Blue	F	SSC	57991	1.07	514	2	N/A	N/A	Pass
Blue	E	FITC	54	54.62	481	-6	0.0463	152	Pass
Blue	D	PE	115	36.61	484	-4	0.4886	371	Pass
Blue	B	PerCP-Cy5-5	189	34.56	579	-7	0.0216	70	Pass
Blue	A	PE-Cy7	108	66.33	622	-6	0.0236	5	Pass
Red	C	APC	405	23.74	578	2	0.0303	251	Pass
Red	A	APC-Cy7	182	26.87	551	0	0.0063	810	Pass
Violet	B	V450	62	60.76	458	5	0.0574	1981	Pass
Violet	A	V500	99	33.63	469	4	0.0281	950	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.74	-31.52	1.02
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	15.46	13.60 - 20.40	N/A	N/A	29.90	30.13	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9570

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments